I. TRANSITIONING N1-1 TO SECONDARY FROM OFF/DIAGNOSTIC/STANDBY WHILE N1-2 IS PRIMARY

1. VERIFY MDM STATE

PCS2 Node 1: C&DH: MDM N1-2

PRIMARY NCS MDM Node 1

√ STATE - Primary
√ MDM ID - N1-2

If N1-1 is Off, go to step 2
If N1-1 is in Diagnostic state, go to step 3
If N1-1 is in Standby state, go to step 5

2. IF N1-1 IS INITIALLY OFF, BRING IT TO STANDBY

PCS2 Node 1: C&DH: MDM N1-1

SECONDARY NCS MDM Node 1

'RPCM _N1RS1_A'

sel RPC 11 (Nod1_1_MDM)

RPCM _N1RS1_A_RPC_11 Detail

√ Position - Op
sel Commands
cmd Close **Execute**
√ Position - Cl

(Wait at least 90 seconds for MDM to start up, finish POST, and go to Standby).

Go to step 4

3. IF N1-1 IS INITIALLY IN DIAGNOSTIC STATE, BRING IT TO STANDBY

PCS2 Node 1: C&DH: MDM N1-1

SECONDARY NCS MDM Node 1

√ Frame Count - <static>

PCS2 Node 1: C&DH: MDM N1-2

PRIMARY NCS MDM Node 1

'Software Control'

sel Transmit Mode Code

Primary_NCS_Transmit_Mode_Code

sel Primary NCS Xmt Mode Code Commands
cmd Xmt_Stat_Word_Tmplt
enter Bus ID - 2
enter RT Address - 6 **Execute**
√ Subsystem Flag Set - X (set)

(If Subsystem Flag Bit is set, N1-2 MDM is in Diagnostic State and is ready to accept diagnostic commands)

PCS2 Node 1: C&DH: MDM N1-1

PRIMARY NCS MDM Node 1

'Software Control'

sel MDM Utilities
sel Commands

NOTE

1. Check with MCC for which command to send (reinit from DRAM or EEPROM).

2. For DRAM Reinitialization:
   a. Startup process will execute from the UAS currently loaded in DRAM.
   b. No POST is performed.

3. For EEPROM Reinitialization:
   a. Reinitialize MDM from EEPROM will cause the loss of all current information in the DRAM such as BST, current Bus, RT, and application configurations…
   b. All UAS and default Configuration Tables will be loaded from EEPROM
   c. Normal POST will be performed

If reinitialize from DRAM
cmd N1_1_MDM_Re_Init_MDM_DRAM **Execute**
If reinitialize from EEPROM
cmd N1_1_MDM_Re_Init_MDM_EEPROM **Execute**

Wait 60 seconds for MDM to reinitialize

4. VERIFY N1-1 IS IN STANDBY STATE

PCS2 Node 1: C&DH: MDM N1-1

SECONDARY NCS MDM Node 1

√ Frame Count - <incrementing>

'MDM Major State:'

√ N1-1 MDM State - Standby
√ MDM ID - N1-1

* * * * * * *
* If state is not Standby, √ **MCC** *
*** * * * * * ***

5. COMMAND N1-1 TO SECONDARY

PCS2 Node 1: C&DH: MDM N1-1

SECONDARY NCS MDM Node 1

'MDM Major State:'

sel Commands
cmd N1-1_MDM_Xsitn_Second_State **Execute**

6. VERIFY N1-1 IS SECONDARY

PCS2 Node 1: C&DH: MDM N1-1

SECONDARY NCS MDM Node 1

√ Frame Count - <incrementing>

'MDM Major State:'

√ MDM State - Secondary
√ MDM ID - N1-1

* * * * * *
* If State is not correct *
* √ **MCC** *
* * * * * *